

## WHAT IS CLAIMED IS:

- sub  
A3
1. A GPS antenna unit for mounting on a two-wheeled motor vehicle for receiving a radio wave from a GPS satellite, comprising:
    - a unit case including an interior portion and an exterior surface;
    - a helical antenna extending from the exterior surface of the unit case; and
    - a controller accommodated within said interior portion of said unit case for processing radio waves received by said helical antenna.
  2. A GPS antenna unit for mounting to a two-wheeled motor vehicle for receiving a radio wave from a GPS satellite, comprising:
    - a unit case including an interior portion and an exterior surface;
    - a helical antenna extending from the exterior surface of the unit case;
    - a controller accommodated within said interior portion of said unit case for processing the radio wave received by said helical antenna; and
    - a component for the two-wheeled motor vehicle, said component holding said unit case;

wherein said component for the two-wheeled motor vehicle holds said unit case in a predetermined posture so that said helical antenna faces a zenith when said component is attached to the two-wheeled motor vehicle in a regular posture thereof.
  3. The GPS antenna unit for a two-wheeled motor vehicle according to claim 2, wherein said component for the two-wheeled motor vehicle is a side mirror and said unit case is incorporated in said side mirror.

wherein said component for the vehicle positions said unit case in a predetermined posture for orienting said helical antenna to face a zenith when said unit case is secured to said component and said component is attached to the vehicle

5b  
A3  
cont'd

in a regular posture thereof.

9. The GPS antenna unit for a vehicle according to claim 8, wherein said component for the vehicle is a side mirror and said unit case is positioned within a casing for said side mirror.

10. The GPS antenna unit for a vehicle according to claim 8, wherein said component for the vehicle is a cowl and said unit case is mounted inside said cowl.

11. The GPS antenna unit for a vehicle according to claim 8, wherein said component for the vehicle is a fender and said unit case is mounted inside said fender.

12. The GPS antenna unit for a vehicle according to claim 8, wherein said component for the vehicle is a headlight and said unit case is positioned within a casing for said headlight.

13. The GPS antenna unit for a vehicle according to claim 8, wherein said component for the vehicle is a meter panel and said unit case is positioned within a casing for said meter panel.